

CLAIMS

What is claimed is:

- 5 1. An array substrate of a liquid crystal display panel,
comprising:
 a transparent substrate;
 a plurality of array units formed on said transparent substrate,
each of said array units corresponding to a display area, each
10 boundary of said array unit having a cutting line, and each pair of said
adjacent cutting lines intersecting with each other; and
 a plurality of checkerboard marks, each of said checkerboard
marks formed on the intersection of each pair of said adjacent cutting
lines, said checkerboard mark having a pair of first-square mark in a
15 diagonal relationship and a pair of second-square mark in a diagonal
relationship.
2. The array substrate of claim 1, wherein said array units are
disposed on said transparent substrate being distant from each other.
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3. The array substrate of claim 1, wherein said array units are
disposed on said transparent substrate being adjacent with each other.
4. The array substrate of claim 1, wherein a pattern is formed
25 on the intersection of said adjacent cutting lines.
5. The array substrate of claim 1, wherein there is not any
pattern formed on the intersection of said adjacent cutting lines.

6. The array substrate of claim 1, wherein said first-square mark has a first pattern and said second-square mark has a second pattern.

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7. The array substrate of claim 1, wherein said first-square mark has a first color base and said second-square mark has a second color base.

10 8. A color filter substrate of a liquid crystal display panel, comprising:

a transparent substrate;

a plurality of color filter units formed on said transparent substrate, each of said color filter units corresponding to a display area,
15 and each boundary of said color filter unit having a cutting line, and each pair of said adjacent cutting lines intersecting with each other ;
and

a plurality of checkerboard marks, each of said checkerboard marks formed on the intersection of each pair of said adjacent cutting
20 lines, said checkerboard mark having a pair of first-square mark in a diagonal relationship and a pair of second-square mark in a diagonal relationship.

9. The color filter substrate of claim 8, wherein said color filter
25 units are disposed on said transparent substrate being distant from each other.

10. The color filter substrate of claim 8, wherein said color filter

units are disposed on said transparent substrate being adjacent with each other.

11. The color filter substrate of claim 8, wherein a pattern is
5 formed on the intersection of said adjacent cutting lines.

12. The color filter substrate of claim 8, wherein there is not any pattern formed on the intersection of said adjacent cutting lines.

10 13. The color filter substrate of claim 8, wherein said first-square mark has a first pattern and said second-square mark has a second pattern.

14. The color filter substrate of claim 8, wherein said
15 first-square mark has a first color base and said second-square mark has a second color base.

15. A liquid crystal display panel with marks for checking breaking accuracy by visual inspection, comprising:

20 a first transparent substrate having a plurality of array units and a plurality of first checkerboard marks formed thereon, each of said array units corresponding to a display area, and each boundary of said array unit having a cutting line, and each pair of said adjacent cutting lines intersecting with each other , each of said first
25 checkerboard marks formed on the intersection of said adjacent cutting lines, said first checkerboard mark having a pair of first-square marks in a diagonal relationship and a pair of second-square marks in a diagonal relationship;

a second transparent substrate having a plurality of color filter units and a plurality of second checkerboard marks formed thereon, each of said color filter unit corresponding to one said array unit, each boundary of said color filter unit having a cutting line, and each pair of
5 said adjacent cutting lines intersecting with each other , each of said second checkerboard marks formed on the intersection of said adjacent cutting lines, said second checkerboard mark having a pair of third-square marks in a diagonal relationship and a pair of fourth-square marks in a diagonal relationship, said second
10 transparent substrate being stacked over said first transparent substrate and a space contained therebetween;

a liquid crystal material filled in the space between each pair of said array unit and said color filter unit, and a light traveling through said liquid crystal material capable of being controlled by an applied
15 voltage; and

a plurality of sealing elements disposed between said array units and said color filter units to seal said liquid crystal material.

16. The liquid crystal display panel of claim 15, wherein said
20 array units are disposed on said first transparent substrate being distant from each other.

17. The liquid crystal display panel of claim 15, wherein said array units are disposed on said first transparent substrate being
25 adjacent with each other.

18. The liquid crystal display panel of claim 15, wherein there is not any pattern formed on the intersection of said adjacent cutting

lines of said first transparent substrate.

19. The liquid crystal display panel of claim 15, wherein there is not any pattern formed on the intersection of said adjacent cutting
5 lines of said first transparent substrate.

20. The liquid crystal display panel of claim 15, wherein said first-square mark has a first color base and said second-square mark has a second color base.

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21. The liquid crystal display panel of claim 15, wherein said first-square mark has a first pattern and said second-square mark has a second pattern.